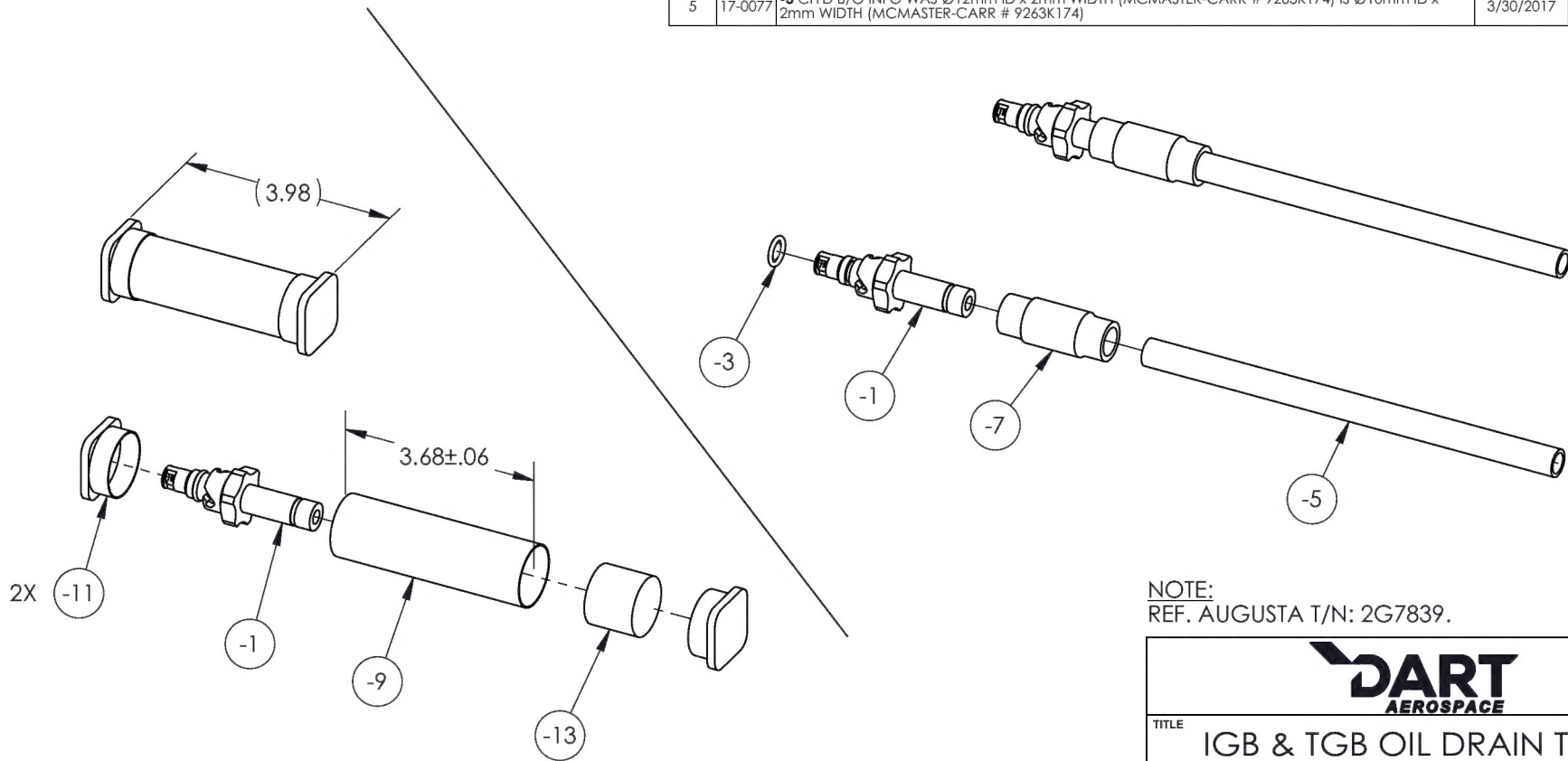


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D TITLEBLOCK & REV BLOCK, CH'D T/N FROM RBW7839, CH'D INK STAMP NOTE, -1 CH'D ANGLE OF GROOVE PER G.E.	8/20/2009	RJC	RW
1A		CH'D TOOL NAME FROM MAIN GEAR BOX DRAIN TOOL PER E.B.	11/28/2011	RJC	RW
2		MODIFIED -1 TO WORK WITH COUPLING, ADDED COUPLING, TUBE, AND CAPS, DELETED CRIMP HOSE CLAMP AND LABEL. CH'D HOSE FROM Ø5/8 TO Ø1/2.	7/27/2012	JAG	SE
3		-1 CH'D O.D. PROFILE WAS (8XR.165) IS (6X R.375), SLOT DIM WAS .119 IS .119 +.005/- .000.	2/26/2013	BIM	GE
3A		-9 CH'D DIM WAS 3.78 IS 3.68. -13 CH'D MATERIAL TO NEW PIG CORP. #PAD210. -1 CH'D DIM WAS .020 IS .02. WAS Ø.250 THRU IS Ø.25 THRU. DELETED 6X .106. .082. CH'D NOTE WAS 6X R.375 EQUALLY SPACED IS 6X R.38 EQUALLY SPACED ON Ø1.60 B.C.	2/5/2014	DPD	RW
4	16-0066	UPDATED TO NEW STANDARD. -1 CH'D DIMS WAS Ø.729 +.000-.002 IS Ø.727 +.000-.002. WAS 2X Ø.494 +.000-.002 IS 2X Ø.492 +.000-.002. -3 CH'D B/O INFO WAS #90145A433 IS #9263K297.	6/30/2016	RJC	SM
5	17-0077	-3 CH'D B/O INFO WAS Ø12mm ID x 2mm WIDTH (MCMaster-CARR # 9263K174) IS Ø10mm ID x 2mm WIDTH (MCMaster-CARR # 9263K174)	3/30/2017	SM	JAG



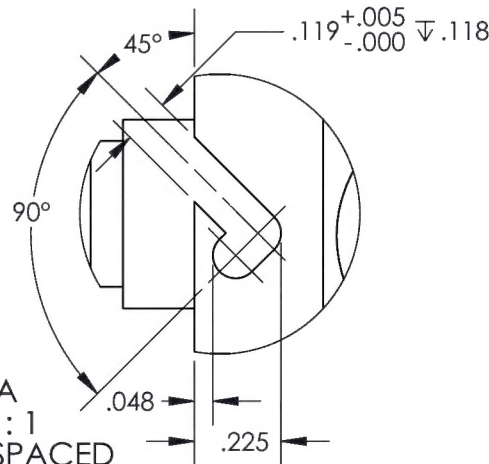
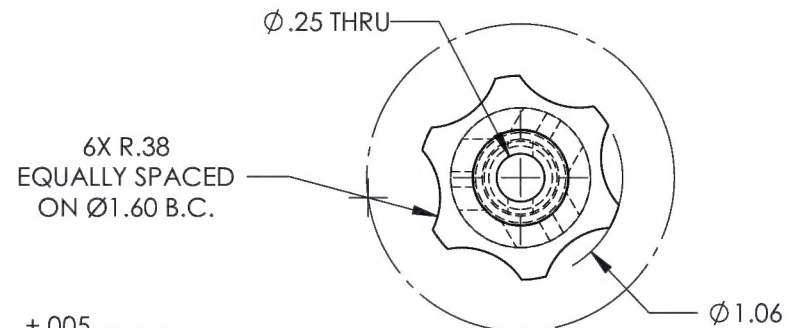
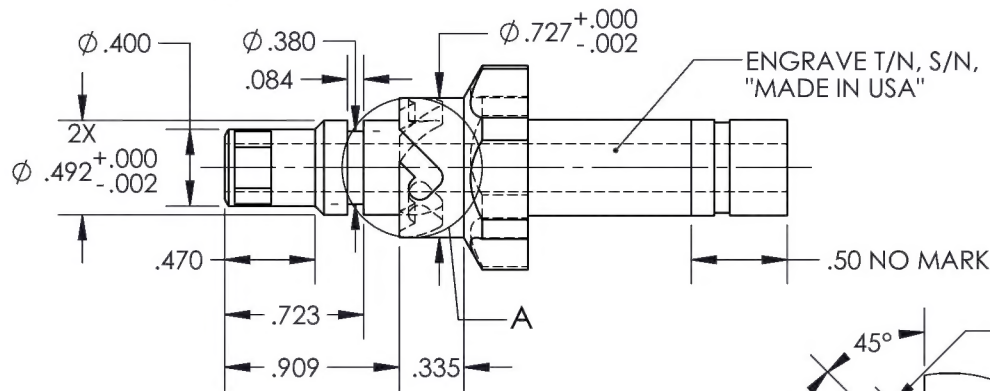
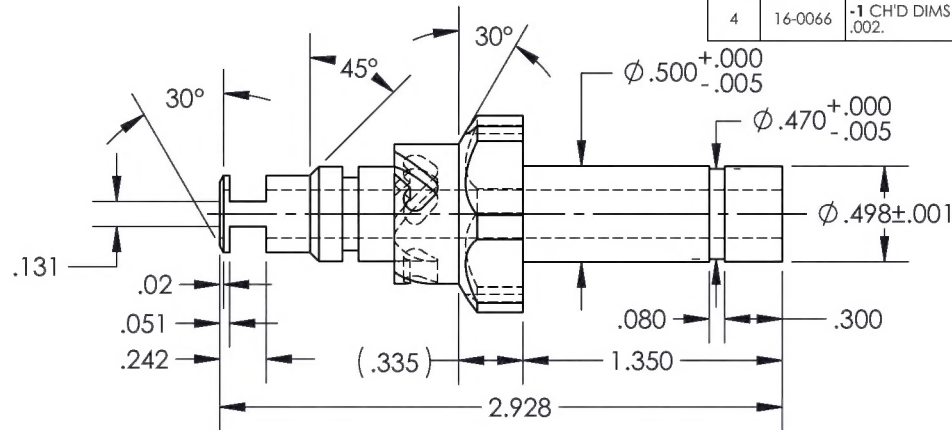
NOTE:  
REF. AUGUSTA T/N: 2G7839.

<b>DART AEROSPACE</b>															
TITLE <b>IGB &amp; TGB OIL DRAIN TOOL</b>															
DWG NO. <b>RBW7839-2G</b>	REV <b>5</b>														
<table border="1"> <tr> <td>MAT'L HEAT TREAT FINISH</td> <td rowspan="5"> <b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</b>            .XXX ± .005 FRACTIONS ± 1/8            .XX ± .01 ANGLES ± 5°            .X ± .1 SURFACES = 125°            1. BREAK ALL SHARP EDGES            .015 x 45° OR .015R            2. DIMENSIONAL LIMITS APPLY            AFTER PLATING            3. INTERPRET DIM AND TOL PER            ASME Y14.5M-2009         </td> </tr> <tr> <td>SPEC</td> </tr> <tr> <td>DRAWN BY: PERRITT</td> </tr> <tr> <td>CHECKED: DUERFELDT</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>USED ON MODEL</td> </tr> <tr> <td>APPROVED: MACKOVJAK</td> <td>AW139</td> </tr> <tr> <td>SCALE 1:3</td> <td>DATE 11/12/2008</td> </tr> <tr> <td colspan="2">SHEET 1 OF 3</td> </tr> </table>		MAT'L HEAT TREAT FINISH	<b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</b> .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	SPEC	DRAWN BY: PERRITT	CHECKED: DUERFELDT	OPPS APPR: ANDERSON	QA APPR: LINDSAY	USED ON MODEL	APPROVED: MACKOVJAK	AW139	SCALE 1:3	DATE 11/12/2008	SHEET 1 OF 3	
MAT'L HEAT TREAT FINISH	<b>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</b> .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009														
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APPROVED: MACKOVJAK	AW139														
SCALE 1:3	DATE 11/12/2008														
SHEET 1 OF 3															

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	QUILL	6061		2
		B/O	-3	1	O-RING	VITON	Ø10mm ID X 2mm WIDTH (MCMaster-CARR # 9263K174)	1
		B/O	-5	1	HOSE	VINYL	Ø1/2 O.D. x Ø3/8 I.D. x 6ft (KURI-TECH #K010-0608)	1
		B/O	-7	1	COUPLING	NICKEL-PLATED BRASS	Ø1/2 (MCMaster-CARR #51495K116)	1
		B/O	-9	1	TUBE	POLYETHYENE	Ø1.09 (MCMaster-CARR #2044T47)	1
		B/O	-11	2	CAP	VINYL	Ø1.09 (MCMaster-CARR #2044T67)	1
		B/O	-13	1	FOAM	POLYESTER/POLYURETHANE	Ø1 X 1 (NEW PIG CORP. #PAD210)	1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D TITLEBLOCK & REV BLOCK, CH'D T/N FROM RBW7839, CH'D INK STAMP NOTE, -1 CH'D ANGLE OF GROOVE PER G.E.	8/20/2009	RJC	RW
1A		CH'D TOOL NAME FROM MAIN GEAR BOX DRAIN TOOL PER E.B.	11/28/2011	RJC	RW
2		MODIFIED -1 TO WORK WITH COUPLING, ADDED COUPLING, TUBE, AND CAPS, DELETED CRIMP HOSE CLAMP AND LABEL. CH'D HOSE FROM Ø5/8 TO Ø1/2.	7/27/2012	JAG	SE
3		-1 CH'D O.D. PROFILE WAS (8XR.165) IS (6X R.375), SLOT DIM WAS .119 IS .119 +.005/- .000.	2/26/2013	BIM	GE
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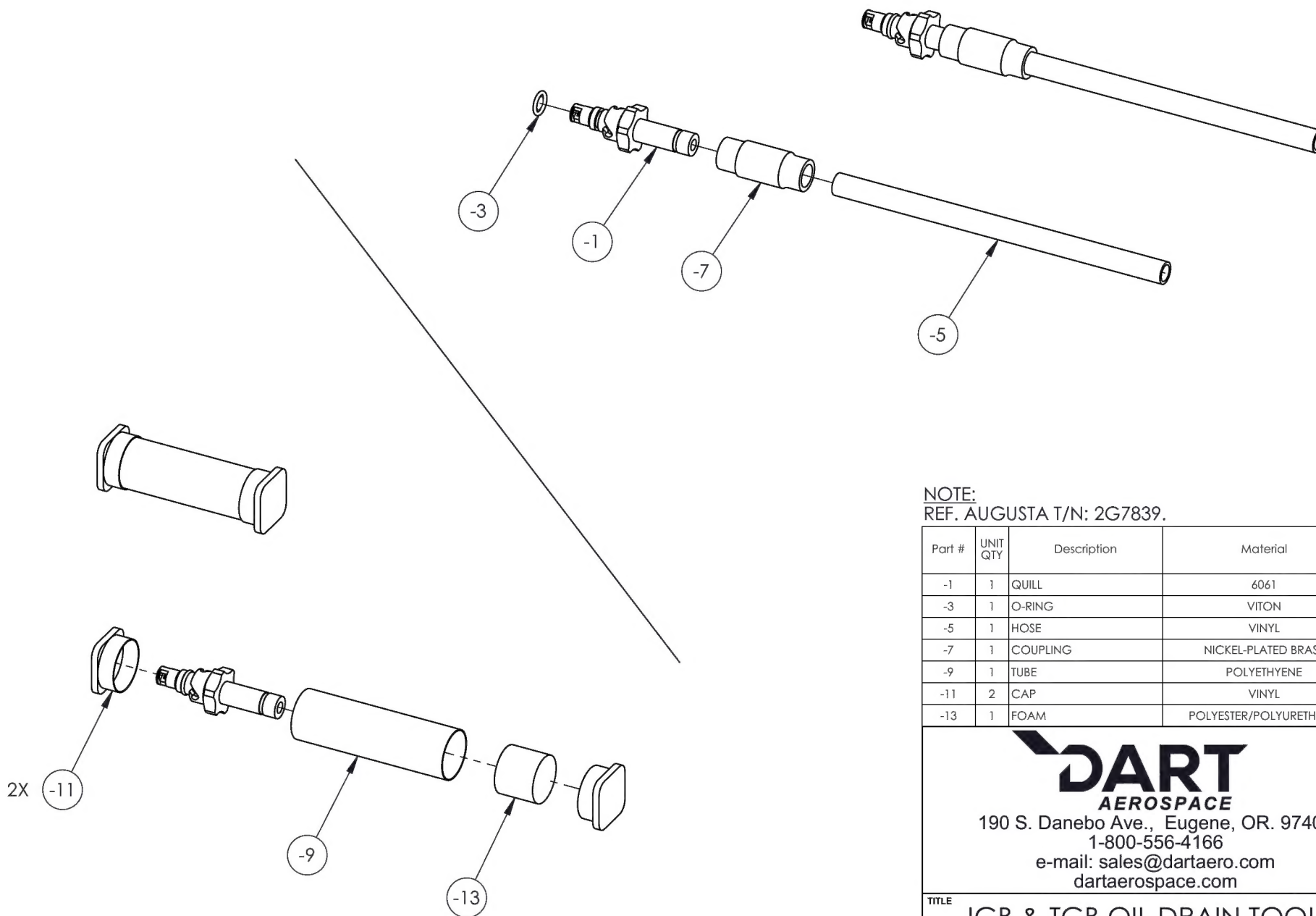


①  
QUILL

DETAIL A  
SCALE 2 : 1  
3X EQUALLY SPACED

<b>DART AEROSPACE</b>	
TITLE <b>IGB &amp; TGB OIL DRAIN TOOL</b>	
DWG NO. <b>RBW7839-2G-1</b>	REV <b>5</b>
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH RED ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625F, TYPE II, CLASS II	.X ± .1 SURFACES = 125✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW139
SCALE 1:1	DATE 11/12/2008
SHEET 2 OF 3	

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NOTE:  
REF. AUGUSTA T/N: 2G7839.

Part #	UNIT QTY	Description	Material
-1	1	QUILL	6061
-3	1	O-RING	VITON
-5	1	HOSE	VINYL
-7	1	COUPLING	NICKEL-PLATED BRASS
-9	1	TUBE	POLYETHYLENE
-11	2	CAP	VINYL
-13	1	FOAM	POLYESTER/POLYURETHANE

**DART**  
**AEROSPACE**

190 S. Danebo Ave., Eugene, OR. 97402  
1-800-556-4166  
e-mail: sales@dartaero.com  
dartaerospace.com

TITLE IGB & TGB OIL DRAIN TOOL			
DWG NO. RBW7839-2G	REV 5	CUSTOMER 1 OF 1	
SCALE 1:3	DATE 11/12/2008	SHEET 3 OF 3	